

ABSTRACT

A large-diameter tungsten-lanthana rod having an elongated grain
5 structure substantially parallel to the longitudinal axis of the
rod is described. The large diameter rod is produced by rolling
at a temperature greater than 1400°C and less than 1700°C to
achieve at least about a 40% reduction in cross-sectional area.
The high strength of the longitudinally elongated grain
10 structure is desirable for applications such as rocket nozzles.

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